

WHAT IS CLAIMED IS:

1. A method for treating cytokine-mediated immune reactions in a human which comprises: topically administering to a human in need of such treatment an effective amount of anti-cytokine F(ab')₂ antibody fragments.

2. The method of claim 1, wherein said cytokine-mediated immune reaction comprises a T cell-mediated inflammatory disease.

3. The method of claim 2, wherein said T cell-mediated inflammatory disease comprises psoriasis vulgaris.

4. The method of claim 1, wherein said cytokine-mediated immune reaction comprises a chronic inflammatory disease.

5. The method of claim 4, wherein said chronic inflammatory disease comprises rheumatoid arthritis.

6. The method of claim 1, wherein the cytokine-mediated immune reaction comprises septic shock.

7. The method of claim 1, wherein the cytokine-mediated immune reaction comprises rejection of a prosthetic or tissue transplant.

8. The method of claim 1, wherein said anti-cytokine F(ab')₂ antibody fragments are applied in combination with a dermatologically acceptable carrier.

9. The method of claim 1, wherein said anti-cytokine F(ab')₂ antibody fragments are substantially free of albumin, whole antibodies, and/or pyrogens.

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10. The method of claim 9, wherein said anti-cytokine F(ab')₂ antibody fragments are administered in combination with a dermatologically acceptable carrier.

5 11. The method of any of claims 1-10, wherein said cytokine is alpha tumor necrosis factor (TNF- α).

12. The method of any of claims 1-10, wherein said cytokine is an interleukin.

10 13. The method of claim 12, wherein said cytokine is interleukin-1 (IL-1).

15 14. The method of claim 12, wherein said interleukin is interleukin-1 alpha (IL-1 α).

15 15. The method of claim 12, wherein said interleukin is interleukin-1 beta (IL-1 β).

20 16. The method of claim 12, wherein said interleukin is interleukin-2 (IL-2).

25 17. The method of claim 12, wherein said interleukin is interleukin-6 (IL-6).

18. The method of claim 12, wherein said interleukin is interleukin-12 (IL-12).

30 19. The method of any of claims 1-10, wherein said cytokine is gamma interferon (IFN- γ).